

Visual Playlist Editor Manual



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Overview

The SOS Visual Playlist Editor is a tool that allows users to create, modify, and augment presentation playlists, as well as visually lay out, modify, and preview SOS datasets.

In this document, we refer to the SOS Visual Playlist Editor as **VPLE** and the User Interface as **UI** for short.

You may wish to read through the [Useful SOS Terms](#) section at the end of this document before proceeding. As always, once you have created or made changes to a dataset using the VPLE, please preview the dataset on SOS to confirm you get the expected results.

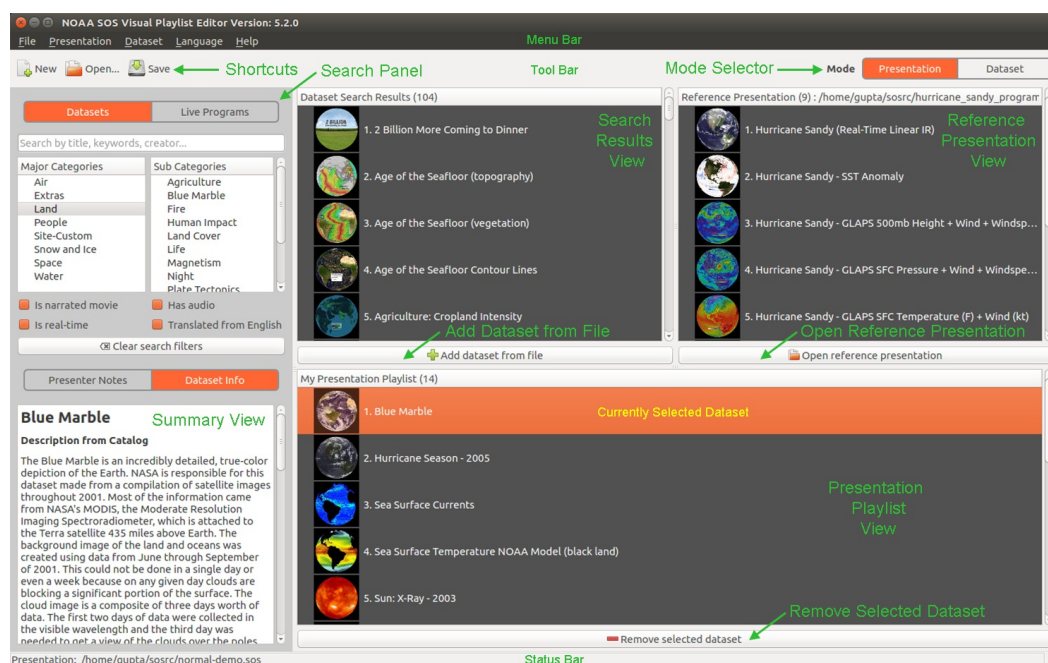
System Requirements

The SOS Visual Playlist Editor requires Ubuntu 16.04 and SOS software version 5.2.0.

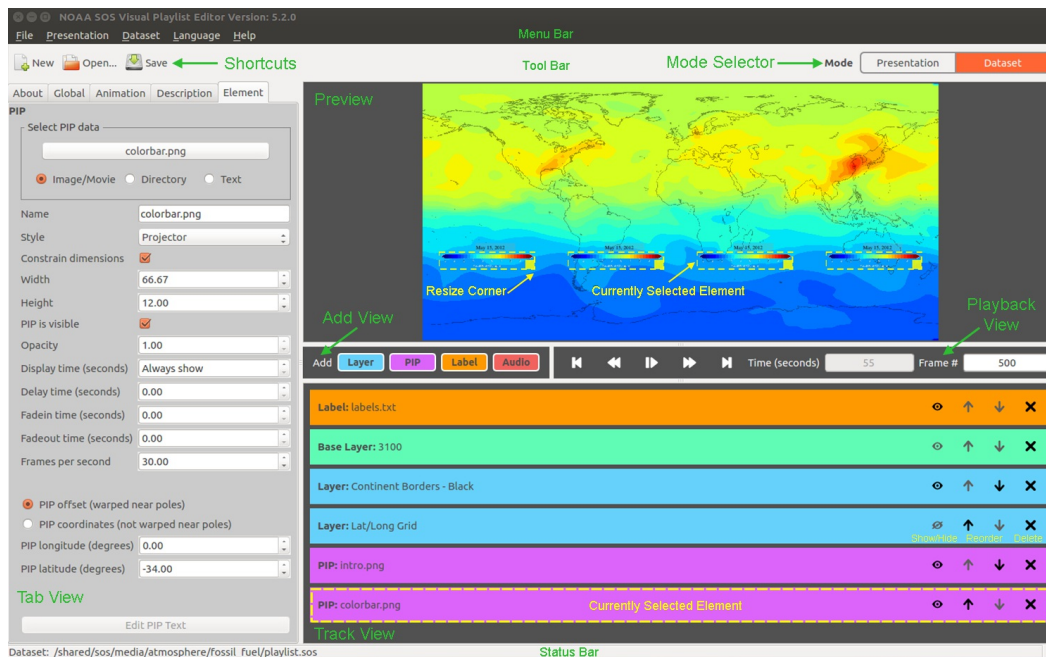
User Interface Definitions

The VPLE user interface is divided into two modes: **Presentation Mode** and **Dataset Mode**. The following two annotated screenshots identify the components that make up each mode. The rest of this document will refer to these components.

Presentation Mode



Dataset Mode



Functions Available from Both Modes

Menu Bar

- Start new presentations and datasets.
- Open existing presentations and datasets.
- Save / Save As presentations and datasets.
- Export presentations.
- Export presenter notes.
- Generate a summary of presentation.
- Change language.
- View VPLE version information.
- Quit the VPLE application.

Mode Selector: Toggle button located in the Tool Bar for switching between Presentation Mode and Dataset Mode. The highlighted toggle button signifies the currently selected Mode. From Presentation Mode, double-clicking a dataset from the Presentation Playlist View will open that dataset in Dataset Mode.

Status Bar: Information bar located at the bottom of the VPLE. This bar shows the name of the currently open presentation playlist or dataset, depending on the current mode.

Tool Bar: Shortcuts to New, Open, and Save for the currently selected mode. This bar also includes the Mode Selector.

Presentation Mode

Add Dataset from File Button: Opens a file browser into the media directory and gives users the option to navigate to and add a dataset to the Presentation Playlist View that is not available in the SOS Data Catalog database (and is therefore not showing up in the Search Results View).

Open Reference Presentation Button: Opens a file browser into the sosrc directory and gives users the option to open an existing presentation playlist into the Reference Presentation View.

Presentation Playlist View: A list of all the datasets that have been added to the presentation playlist you are currently creating. Double-clicking on a dataset will open the dataset in Dataset Mode so it can be previewed or modified. The number in parentheses is the number of datasets in the presentation playlist.

Summary View: Add or view presenter notes to/for the currently open presentation playlist, or, view the dataset info for the currently selected dataset. The toggle button at the top allows users to indicate whether they want to view Presenter Notes or Dataset Info.

Reference Presentation View: View an existing presentation playlist. Click and drag a dataset from this view to add it to the Presentation Playlist View. The number in parentheses is the number of datasets in the reference presentation playlist.

Remove Selected Dataset Button: Remove the currently selected dataset from the Presentation Playlist View.

Search Panel: The Search Panel allows you to quickly search and browse for datasets in the entire SOS Data Catalog (all of the NOAA-managed datasets) and the Site-Custom datasets on your SOS computer. Simply click on any combination of filters (Major/Sub Categories, Movies/Realtime, etc.) to narrow down search results. The dataset search results will appear in the Search Results View. The toggle button at the top allows users to indicate whether they would like to search within Datasets or Live Programs.

You can also search for datasets by typing a search term in the search text field. By default, the search field searches through dataset titles, keywords, and dataset contact name/organization.

Pressing the Clear Search Filters button clears all filters and search terms and shows all datasets available on your SOS computer in the Search Results View.

Note: A dataset can be tagged with more than one major and sub category, so they may appear multiple times in the Search Results View. Additionally, you may see the same name show up multiple times if you have made a copy of a NOAA-managed dataset in Site-Custom without changing the dataset's name.

Note: The Search Panel checkboxes are tri-state filters. This means that each checkbox supports three modes: Unchecked, Checked, and Intermediate. For example, for the Has Audio checkbox:

- Unchecked and filled is the default state, and the search will return datasets WITH OR WITHOUT audio.
- Checked and filled will return datasets that DO have audio.
- Unchecked and not filled will return datasets that DO NOT have audio.

Search Results View: A list of all the datasets that match the filters selected in the Search Panel. Click and drag a dataset from this view to add it to the Presentation Playlist View. The number in parentheses is the number of datasets found.

Dataset Mode

Add View: Add a new Element to the dataset. (*Note:* The Element called Base Layer cannot be added to a dataset. Use Layer instead.)

Element: A component of a dataset. For Base Layer, Layer, and PIP, the underlying data can be an image file, a movie, or a directory of images. An SOS dataset can have multiple Layers and PIPs. There are 5 main element types in SOS:

- **Base Layer:** The first (or only) global layer in a dataset. (Corresponds to the `data` or `datadir` attributes in SOS.) A dataset may or may not have this Element. If not, the dataset must have at least one Layer.
- **Layer:** A global layer in a dataset. (This Element may be resized.)
- **PIP:** (Picture-in-a-Picture) Supplementary data that is displayed on top of all of the Layers, like icons or legends or small movies. A PIP can also display text (see the [Creating Text PIP Elements](#) section for more info).
- **Label:** A text file that contains a sequential list of text that runs in sync with global data that is either a movie or a directory of images.
- **Audio:** An audio track that complements the dataset.

Playback View: Control playback of a dataset, and view the current playback time and frame number of the dataset. A frame number can also be typed into the Frame # text field.

Preview: Visual composite of all the Elements (ex. Layers, PIPs, Labels, etc.) that make up a dataset. Allows moving and rescaling of certain Elements using the mouse.

Tab View: View and modify the global attributes of a dataset (ex. name, sphere tilt, frames per second, etc.) and the attributes of Elements of a dataset such as a PIP's width, height, and location. Every attribute in each of the tabs corresponds to an attribute/value pair that gets written to a dataset's playlist.sos file. Please see the SOS website > Support tab > Manuals menu > Playlist Reference Guide menu option for detailed information about each attribute.

The Tab View also includes a Description tab for the dataset. For NOAA-managed datasets, the description comes from the SOS Data Catalog. For Site-Custom datasets, the description comes from the description that your site entered for that dataset.

Track View: A list of all the Elements in the dataset shown as a set of track lanes. Clicking on a track lane will highlight the corresponding Element in the Preview and will show the Element's attributes in the Element Tab View. Each track lane contains 4 buttons:

- **Eye Button:** Show/Hide an Element in the Preview. This control may be disabled for some Layers if the Layer is visible attribute (`layervisible` attribute in SOS) is unchecked in the Layer's Element tab.
- **Up / Down Buttons:** Reorder an Element. Note that re-ordering is only relative to an Element type (for example, a Layer Element will only get re-ordered relative to other Layers). If the Element has a Lock icon, it cannot be re-ordered.
- **X / Lock Button:** If an X icon is present, the Element can be deleted. If a Lock icon is present, the Element cannot be deleted.

Presentation Mode Tutorial

Get the Latest SOS Database

The search and browse filters located in the Search Panel of Presentation Mode use an SOS database that is located on your SOS computer. The database contains meta-data for NOAA-managed datasets and Site-Custom datasets. Most sites have automatic updates to their SOS database once per week on Mondays.

However, if you have added a new Site-Custom dataset or NOAA added a new dataset during the middle of the week that you would like to access immediately from the database, you must refresh your SOS database. To do this, simply:

- Select the Dataset menu > Update Catalog menu option. This may take a few minutes. Once the update is complete, your SOS database is now up-to-date and any new datasets should show up in the Search Results View when filtering.

Create a Presentation Playlist

From the Menu Bar, click Presentation > New (or you can click the New Shortcut if in Presentation Mode). Use the Search Panel to narrow the list of datasets in the Search Results View to find datasets of interest.

Click and drag a dataset from the Search Results View to the Presentation Playlist View. Datasets can also be added from a reference presentation playlist in the Reference Presentation View or by navigating to a desired dataset by clicking the Add Dataset from File button. Use the Remove Selected Dataset button to remove datasets from your presentation.

Modify a Presentation Playlist

To modify (add, delete, or reorder) the datasets in an existing presentation playlist, first open the presentation into the Presentation Playlist View by clicking on Presentation > Open (or you can click the Open Shortcut if in Presentation mode). Add datasets from the Search Results View, Reference Presentation View, or Add Dataset from File button. Use the Remove Selected Dataset button to remove datasets from your presentation. Click and drag a dataset to re-order it within the list.

Modify Datasets in a Presentation Playlist

Datasets in a presentation playlist can be overridden so that you do not have to create a completely new dataset, or so that you can have alternative versions of the same dataset (i.e. only one folder for the dataset with its playlist.sos file, with any overrides directly specified in the presentation playlist file). There are three override options:

- Augment the dataset. For example, add your site's logo to a dataset, or add a new Audio Element to a dataset.
- Change global attributes. For example, change the frames per second to a different value.
- Change the files specified for the Audio or Labels Elements.

To perform overrides, double-click on a dataset in the Presentation Playlist View, which will open the dataset in Dataset Mode. Then, modify/add attributes/Elements as described in the [Dataset Mode Tutorial](#) section. When you are done modifying the dataset, click Presentation in the Mode Selector to get back to the presentation playlist.

Note: The existing Layer and PIP Elements of a dataset in a presentation playlist may not always be overridable. See the [FAQ](#) section to understand why and what your options are.

Save a Presentation Playlist

Once you are done editing a presentation playlist, click Presentation > Save (or you can click the Save Shortcut if in Presentation Mode). If you want to save the presentation under a different name, click Presentation > Save As and then give the presentation a name with no spaces or special characters. The .sos file extension will automatically be added to the end of the file.

Export a Presentation Playlist

Exporting allows you to package everything in your presentation playlist (including datasets) into a single folder in `/shared/sos/media/site-custom/`. Once packaged, the presentation can be easily shared with other SOS sites and NOAA.

To export, simply click on Presentation > Export. A file browser will appear and you will need to either create a new folder for the presentation or choose an existing folder. Choosing an existing folder will delete the contents of that folder before exporting, but you will be prompted if that folder is not empty. Once saved, a sub-folder for each dataset in the presentation playlist is created that contains any Elements that have been modified or added. NOAA-managed data will not be copied, but will be referenced with an absolute path.

A presentation.sos presentation playlist file is also created in the main folder that references each of the sub-folders that contain the datasets.

Export Presenter Notes

Click Presentation > Export Presenter Notes to create a PDF file that contains the Presenter Notes for the presentation playlist that is open in the Presentation Playlist View.

Generate a Summary of a Presentation Playlist

Click Presentation > Generate Summary to create a PDF file that is a list of every dataset name currently in the Presentation Playlist View, along with their thumbnails. Presenter Notes, if available, are appended to the bottom of the list.

Dataset Mode Tutorial

View an Existing Dataset

In the Menu Bar, click Dataset > Open (or you can click the Open Shortcut if in Dataset Mode). Browse to a dataset folder of interest. Select the dataset's playlist.sos file and click Open. The path to the dataset you just opened is displayed in the Status Bar on the bottom left corner of the UI. The dataset imagery will open in the Preview, and the Tabs and Track View will get populated with the dataset's attributes. Use the Playback View controls to animate through the dataset.

Modify a Dataset

For global modifications to a dataset such as frames per second, dwell time, etc., select the Animation Tab, modify the desired attributes, and re-run the animation. When attributes are modified in the other global tabs (About, Global, and Description), the Preview and Track View in the VPLE are not affected, even when

you re-run the animation, as they are not applicable in the flat-screen preview. However, when the dataset is saved, changes made to attributes in these tabs will show up appropriately in SOS and on the iPad SOS Remote app.

To modify an Element, click on an Element in the Preview or Track View. For Layers and PIPs, a yellow corner appears in the bottom right corner of the Element in the Preview to indicate that the Element can be rescaled by clicking and dragging on the corner (note that the Element's aspect ratio is maintained when using the mouse to resize). You can also use the mouse to reposition an Element in the Preview. Base Layers and Labels cannot be resized, and Base Layers cannot be repositioned.

When you select an Element, the Element tab is brought to the forefront and shows all the attributes that can be modified for that Element. Changing attributes such as the data file, size, position, opacity, etc. will update it in the Preview either immediately or during playback.

Note: For PIPs, you can uncheck the Constrain Dimensions checkbox and use the Width and Height spin boxes to adjust the dimensions if you do not want to maintain the PIPs native aspect ratio.

Add New Elements to a Dataset

In the Add View, click the desired Element type to add it to your dataset. For Layers, a message prompt will first ask you if the media you want to add is a File (ex. a single image or a movie) or a Directory (ex. a directory of image frames). For PIPs, a message prompt will first ask you if the media you want to add is a File, Directory, or Text (see the [Creating Text PIP Elements](#) section for more info). For all Elements, a file browser will pop up where you can navigate to your data of interest.

Filters have been added to the file browser depending on the type of data you are trying to open. So, for example, when adding Audio, you will only see audio files (.mp4, .mp3, etc.) in the file browser, and for Labels, you will only see .txt files. Once you select Open, a new Element will be added to the Track View and the Preview, and the Element tab will open up with the new Element's default attributes populated.

Create a New Dataset

In the Menu Bar, click Dataset > New (or you can click the New Shortcut if in Dataset Mode). Add Elements to your dataset as described in the Add New Elements to a Dataset section. Edit the About, Global, Animation, and Description tabs as necessary to describe your dataset.

When creating a new dataset, at a minimum, a Name must be specified in the About Tab and at least one Layer must exist.

Note: The text entered into the Description tab will appear in the VPLE's Data Info section in the Summary View in Presentation mode when it is the currently selected dataset. On the iPad SOS Remote app, the text will be available in the Data Info dialog on the iPad SOS Remote app when the dataset is selected. The actual text gets saved to the dataset's playlist.sos file.

Save a Dataset

Click the Dataset > Save button in the Menu Bar (or you can click the Save Shortcut if in Dataset Mode). If you have modified a NOAA-managed dataset, a message prompt will pop-up explaining that this is a NOAA-managed dataset and it cannot be modified, but it can be copied to another folder. Follow the prompts to

proceed. If you click the Save button and you have modified an existing dataset that is not NOAA-managed, the dataset will save all your changes to your dataset's playlist.sos file that you originally opened.

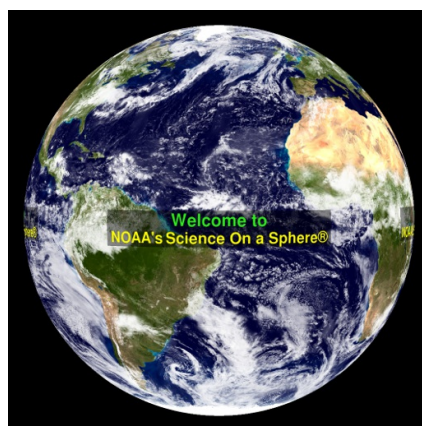
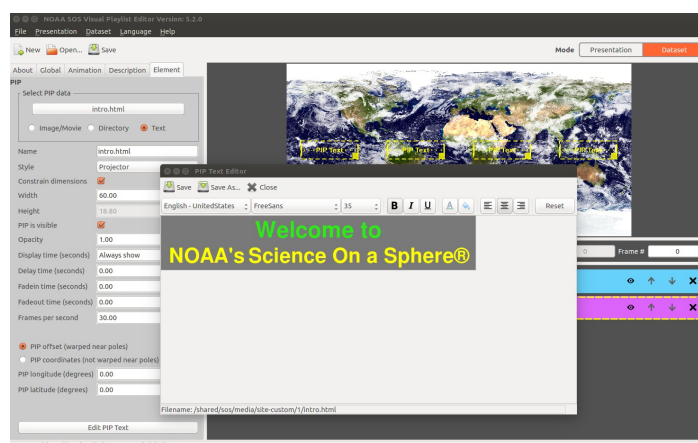
If you click Dataset > Save As, select a folder in which to save your dataset. By default, the file browser opens up into the `/shared/sos/media/site-custom/` folder, which is the folder where all custom datasets should be saved. Custom datasets should only be saved here so that the SOS database can be updated with your site's custom datasets.

If you want to save a new dataset to a folder that does not exist, click Dataset > Save As, and then, in the file browser that pops up, click the Create New Folder button in the top-right hand side. Enter a folder name, press enter, and then press Save.

Creating Text PIP Elements

A Text PIP is a special kind of PIP that displays text only. A Text PIP has all the same attribute specifications as a normal PIP, such as width, opacity, and fadein time.

Rather than using an image editing program to create text and save it as an image file for a PIP, you can enter text directly into the PIP Text Editor and save the Text PIP to your SOS dataset. A Text PIP gets written to an html file. You should only use the Text PIP Editor to create and edit Text PIP files, and you should not create or edit it by hand.



SOS Configuration for Optimal Text PIP Resolution

By default, Text PIPs are optimized for SOS displays with 4 projectors where each projector has a resolution

of 1920x1200. If your SOS display has a different configuration, please read the Text PIP section in the [Operation and System Administration Manual](#) to obtain the ideal text resolution for your SOS display.

Add a Text PIP

To add a Text PIP to your dataset, click the PIP button in the Add View, and select the Text option when prompted. At the next message prompt, select the File option if you are adding an existing Text PIP, or select the Create option if you are creating a new one.

When a Text PIP is added to the dataset, a new track lane called PIP Text is added to the Track View, a placeholder image that says PIP Text is added to the Preview, and the Text PIP Editor pops up. Note that the actual text you enter into the Text PIP Editor will not appear in the Preview, but it will appear on SOS.

Also, you cannot set the height of a Text PIP as it is automatically computed at the time of rendering onto SOS, but you can set the width as you would any other PIP. The left and right bars of the placeholder image represents the width of the Text PIP as you will see it on SOS (the numerical value for width is shown in the PIP's Element tab).

Edit a Text PIP

To edit a Text PIP, click the Text PIP in the Track View or in the Preview to bring up the Element tab. Click on the Edit PIP Text button on the bottom of the tab to bring up the Text PIP Editor.

First, select the language you are going to write your text in from the Language drop down menu. (By default, each time the Text PIP Editor first pops up automatically, it will auto-select the language currently set in the Language menu of the VPLE's Menu Bar.) Selecting a language filters the Font drop down menu to show only those fonts on your system that will support characters in that language.

The Font Size is used to indicate how big characters in the text are relative to each other, and do not represent the actual size of the text that will be shown on SOS. SOS will proportionally scale all of your text to fit the width of the Text PIP, and it will dynamically compute the height of the Text PIP.

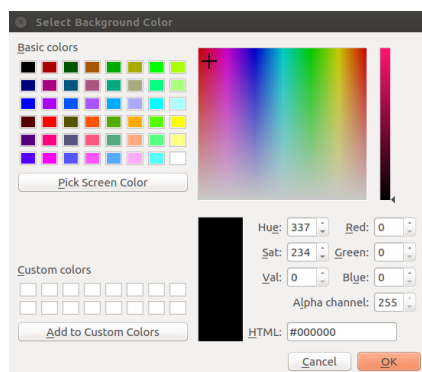
You can set other attributes on the text like bold, italics, underline, alignment, text color, and background color. By default, the alpha channel (transparency) for the background color is set to 0 (fully transparent). The Reset button will reset the Text PIP Editor to all its default values.

Note: If you are copying text from a webpage or other source, please first copy the text into the default text editing program on your SOS computer (do a search for Text Editor in the SOS computer's search window), and then copy that text into the Text PIP Editor (this helps remove extraneous/unexpected characters when writing to the html file).

Note: If you want to write text in multiple languages in a single Text PIP, you must first select a Language, then select a supported Font, and then type or paste the characters into the Text PIP Editor. Alternatively, you can directly type or paste text of different languages into the Text Editor first. After that, for each set of text from a given language, you must select the language from the Language drop down menu, highlight the text that corresponds to that language, and then select the available font from the Font drop down menu so the text will change to that font.

Note: To change the color in a Color Dialog that pops up for the Text and Background Color buttons, you can:

- Select a predefined color from the Basic colors section.
- Type in a Red/Green/Blue/Alpha value (range for each channel is 0-255).
- Type in an HTML value.
- Use the gradient box on the right-hand side to select a color. Note that this gradient box works in conjunction with the vertical slider to the right of the box. For example, in the screenshot below, notice how the cursor in the gradient box is placed in a red area, but the Red/Green/Blue channels are showing values of 0, and the currently selected color is showing black. This is because the vertical slider is set all the way to the bottom, at black. Adjust this slider to change the color.



Save a Text PIP

Click the Save button to save the Text PIP. If an html file does not yet exist for this Text PIP, you will be prompted to enter a name for your file. Once you Save, the full path of your Text PIP is indicated in the Status Bar at the the bottom of the Text PIP Editor. If you close the editor without saving the the text to a file, the Track Lane for the Text PIP will show the title “unsaved_empty_text_file.html”, which means no file exists for this Text PIP.

* Note that to save the Text PIP (with all its various attributes you set in the Element tab) to the SOS dataset you are working on, you still must click the Save button at the top of the Tool Bar in Dataset Mode.

Add Custom Fonts to the PIP Text Editor

If you want to use a font that is not shown in the Text PIP Editor, you can add a font file to the following folder on your SOS computer: `/usr/local/share/fonts/`. Only FreeType font formats are supported, such as .ttf, .ttc, .otf (for a complete list, see: <https://www.freetype.org/freetype2/docs/index.html>).

Localization / Translation

The VPLe’s UI may be localized (i.e. translated) to other languages. The VPLe UI uses a third-party application called Qt Linguist to assist you in translating from English to other languages. Please see the [Translations Guide](#) for more information (located at SOS website > Support tab > Manuals menu > Translations Manual menu option).

Once translation files are in place on your SOS computer (as described in the Translations Manual), you can change the language of the VPLe UI by clicking the Language menu in the Menu Bar and selecting the language of interest from the drop-down box. Any untranslated text will fall back to English.

FAQ

- **Why can't I work on a Presentation and Dataset at the same time?** You can only work on one task at a time and you must save or clear your work (by selecting New from the Tool Bar) before going on to another task.
- **Sometimes, I can't I modify the Layer and PIP Elements of a dataset that I am editing as an override from my presentation playlist. Why?** A presentation playlist consists of a list of datasets. Each dataset's playlist.sos location is specified via the include attribute (one include attribute/value pair per dataset, where the value is the absolute path of the playlist.sos filename). Layer and PIP Elements specified inside a dataset's playlist.sos file may not be editable because they are defined within a different file (i.e. the dataset playlist.sos file, not the presentation playlist file itself that you are currently working on). Editing these Elements would require editing the dataset's file, which is not allowed. For example, you cannot modify or delete an existing Layer or PIP Element, but you can add a new Layer or PIP Element. You also cannot delete an Audio or Label Element, but you can modify them (i.e. select a different audio file or label file from the Element tab).
- **Where is the yellow resize corner for Base Layer Elements?** You cannot resize or move a Base Layer. Therefore, you will not see a yellow resize corner on a Base Layer Element in the Preview when you click on it.
- **Why does it look like my dataset is not animating even though the Time field is increasing?** If you load a dataset and press the Play button, and then you notice that the Time field is updating but the Frame # is not updating, this is likely because the Time to Dwell on First Frame (milliseconds) (`firstdwell` attribute in SOS) has been set to a non-zero value. This is the same for Time to Dwell on Last Frame (milliseconds) (`lastdwell` attribute in SOS). These attributes are shown in the Animation Tab.
- **I clicked on an Element in the Track View, but no Element was highlighted in the Preview.**
Why? If you click on an Element in the Track View, the Element gets highlighted in the Preview. If you find that no Element was highlighted in the Preview, the Show/Hide button of that Element in the Track View may be set to Hide. For PIPs, the PIP might have a Delay time or Fadein Time set to values that prevent the PIP from showing up until a specified animation time is reached. Or, PIPs or Layers might have an Opacity value set to 0.0.
- **Why is my Layer's Eye button in the Track Lane disabled?** One of the attributes for Layers in the Element tab is a Layer is Visible checkbox (`layervisible` attribute in SOS). If this is set to off (unchecked), the Layer will not be visible in the Preview, and the Layer in the Track View will have an Eye icon with a slash through it, indicating it is in Hide mode. The Eye button will also be disabled. To show the Layer in the Preview, the Layer is Visible checkbox must be set to on (checked) in order to enable the Eye button.
- **Why is there a semi-opaque background color behind my Labels in the Preview?** In the Preview, Labels have a semi-opaque background behind them so that it is easier to see the Label in the Preview. This background color will not show up on SOS, and the labels will have a fully transparent background.
- **Where is the background attribute located in the VPLE?** The VPLE does not support the deprecated SOS `background` attribute.

- **How do I add KML and WMS media types to my dataset? Why do I see a Data File Error in the Preview window when I load a dataset that has KML or WMS data in it?** The visual preview for datasets with KML or WMS data types are not supported by the VPLE.
- **I set the Skip attribute in the Animation tab, but it is not skipping in the Preview when I play the dataset. Why?** The Skip every N Frames While Animating attribute (`skip` attribute in SOS) can be set in the Animation Tab and will be honored on SOS, however, it is ignored during playback of the dataset in the VPLE Preview.
- **How do I enter negative start frame values?** Negative values for Start Dataset on Frame attribute in the Animation Tab (`startframe` attribute in SOS) cannot be set using the VPLE. However, you can open the dataset's playlist.sos file and edit that attribute directly.
- **My movie is showing up as black. Why?** Sometimes, when you first load a dataset that has movie data, the movie will not show up unless you press the Play button.
- **My image directory sometimes plays out of sync. Why?** Limitations for a dataset that contains a directory of images that may cause a dataset's data to get out of sync during playback include:
 - Images whose resolution is greater than 4096 in width.
 - Frames per second (fps) greater than 25 or 30.
 - A dataset with many image directories (for example, image directories specified by many Layers and PIPs) running at high frame rates.

Useful SOS Terms

Dataset Playlist: SOS datasets are located in the `/shared/sos/media/` or `/shared/sos/rt/` folders on your SOS computer. With the exception of the `/shared/sos/media/site-custom/` folder, datasets contained within those two folders are not editable (these are known as NOAA-managed datasets).

Each dataset is contained within its own folder. Within each dataset's folder is a playlist.sos text file (a variation, such as playlist_audio.sos may also exist) that contains a set of attribute/value pairs that describes the dataset. The attributes in the VPLE's Tab Views is what gets written to the playlist.sos file. The dataset's folder also contains the content/imagery for the dataset, such as movie or image files.

For example, the Blue Marble dataset's playlist.sos file is located on your SOS computer in the following folder: `/shared/sos/media/land/blue_marble/blue_marble/`

And, the Blue Marble dataset's playlist.sos file contains the following attribute/value pairs:

```
name = Blue Marble
data = 4096.jpg
fps = 40
tiltx = 23.5
category = land
```



```
catalog_url = http://sos.noaa.gov/Datasets/dataset.php?id=82  
majorcategory = Land
```

Live Program: Live programs are SOS presentations that have been created by users of SOS, including scientists, educators, museum staff and student interns. They are carefully crafted presentations that use SOS datasets to tell a story and teach audiences about a specific topic such as ocean currents or extreme weather events. Included in each Live Program is an SOS presentation playlist (i.e. a collection of datasets) and a script with notes for presenters and sometimes supplementary educational materials (i.e. clicker questions and classroom lesson plans). Please see the SOS website > Education tab > Live Programs page for more information.

Presentation Playlist: A presentation playlist is a collection of datasets grouped together in a list for a presentation. Every presentation playlist ends with the .sos extension (for example, demo.sos). Presentation playlists are typically located in the `/home/sos/sosrc/` folder or the `/home/sosdemo/sosrc/` on the SOS computer.

Presenter Notes: A set of notes that can be accessed from the iPad SOS Remote app to help guide a presenter through a presentation. Presenter Notes are located at the end of a presentation playlist file and can be directly typed into that file (not recommended) or can be modified and saved to that file by using the VPLE's Presenter Notes section in the Summary View in Presentation Mode.

Site-Custom Dataset: A Site-Custom dataset is a dataset that has been created by a site that is not part of the NOAA-managed SOS Data Catalog. Custom datasets should be placed in the `/shared/sos/media/site-custom/` folder

Contact

Please contact sos.gsd@noaa.gov if you have any questions or feedback about the SOS Visual Playlist Editor.